

Taminco, a subsidiary of Eastman Chemical Company  
Data Requirements for Chlormequat Chloride  
July 14, 2016

PRODUCT CHEMISTRY				
GDLN No.	Guideline Title	MRID No.	Sec. 3	Comments:
830.1550	Product identity and composition	47100501	YES	
830.1600	Description of materials used to produce the product	47100501	YES	
830.1620	Description of production process	47100501	YES	
830.1670	Discussion of formation of impurities		YES	Will be included as part of Group A Product Chemistry
830.1700	Preliminary analysis	47100502	YES	
830.1750	Certification of limits		YES	Will supply certified limits on CSF
830.1800	Enforcement analytical method	47100503	YES	
830.6302	Color	47100505	YES	
830.6303	Physical state	47100505	YES	
830.6304	Odor	47100505	YES	
830.6313	Stability	47764701	YES	
830.6314	Oxidation/reduction	47100511	YES	
830.6315	Flammability	47100512	YES	
830.6316	Explosibility	47100513	YES	
830.6317	Storage stability	48442701, 47100514	YES	
830.6320	Corrosion characteristics	48442701	YES	
830.7000	pH	47100505	YES	
830.7050	UV/visible absorption	47100515	YES	
830.7220	Boiling point	47100506	YES	
830.7300	Density	47115301	YES	
830.7370	Dissociation constant	47115302	YES	
830.7550	Octanol/water partition coefficient	47100510	YES	
830.7840	Solubility	47100508	YES	
830.7950	Vapor pressure	47115301	YES	
TOXICOLOGY				
GDLN No.	Guideline Title	MRID No.	Sec. 3	Comments:
870.1100	Acute oral toxicity	41721604	YES	
870.1200	Acute dermal toxicity	41721605	YES	
870.1300	Acute inhalation toxicity	41721606	YES	
870.2400	Primary eye irritation	41721607	YES	
870.2500	Primary dermal irritation	41721608	YES	
870.2600	Dermal sensitization	41721609	YES	
870.3100	90-day oral - rodent	123247, 125189, 163408	YES	
870.3150	90-day oral - non-rodent	46715201	YES	
870.3200	21/28-day dermal - TGA1	42246603	YES	
870.3200	21/28-day dermal - EP	46715209	CR	
870.3250	90-day dermal - TGA1	42246603	YES	data requirement covered by 21/28-day dermal TGA1
870.3250	90-day dermal - EP	46715209	CR	data requirement covered by 21/28-day dermal EP
870.3700	Developmental toxicity - rat	42246604	YES	
870.3700	Developmental toxicity - rabbit	123258, 125197, 138710, 46715205	YES	
870.3800	Reproduction, 2-generation	123253, 125192, 138712, 138713, 42449401, 46715206	YES	
870.4100	Chronic - rodent	35042, 42261, 123251, 123252, 46715202	YES	
870.4200	Oncogenicity - rat	138714, 46715203	YES	
870.4200	Oncogenicity - mouse	46375, 47796, 123250, 46715204	YES	
870.5265	Bacterial reverse mutation assay	41721610	YES	
870.5300	In vitro mammalian cell assay	41798102	YES	
870.5375	In vitro mammalian cell assay	41798103	YES	
870.5385	In vivo chromosome aberration	41798101	YES	
870.5395				
870.5550	Unscheduled DNA synthesis in mammalian cells in culture	41798103	YES	
870.6200	Acute neurotoxicity - rat		YES	Study will be initiated to support Section 3 Registration
870.7485	Metabolism and pharmacokinetics	100736, 123245, 124055, 125187, 46715208, 46715207	YES	
870.7600	Dermal penetration	46715209	CR	
870.7800	Immunotoxicity	48176001	YES	Waiver will be requested

APPLICATOR EXPOSURE				
GDLN No.	Guideline Title	MRID No.	Sec. 3	Comments:
875.1100	Dermal outdoor exposure		YES	Will use Ag Handler Exposure Task Force data
875.1300	Inhalation outdoor exposure		YES	Will use Ag Handler Exposure Task Force data
875.1500	Biological monitoring		YES	Will use Ag Handler Exposure Task Force data
875.1600	Data reporting and calculations		YES	Will use Ag Handler Exposure Task Force data
875.1700	Product use information		YES	We be included as part of master label
POST-APPLICATION EXPOSURE				
875.2100	Dislodgeable foliar residue	44957902	YES	
875.2200	Soil residue dissipation		YES	Waiver will be requested
875.2400	Dermal exposure		YES	Will use Ag Reentry Task Force data
875.2500	Inhalation exposure		YES	Will use Ag Reentry Task Force data
875.2600	Biological monitoring		YES	Will use Ag Reentry Task Force data
875.2700	Product use information		YES	We be included as part of master label
875.2800	Description of human activity		YES	We be included as part of master label
875.2900	Data reporting and calculations		YES	Will use Ag Reentry Task Force data
ENVIRONMENTAL FATE				
GDLN No.	Guideline Title	MRID No.	Sec. 3	Comments
835.1230	Leaching/adsorption/desorption	124060, 124061, 124062, 137646, 137647, 140113, 46715228, 46715229, 46715230	YES	
835.1240				
835.2120	Hydrolysis	47769403	YES	
835.2240	Photodegradation in water	47769404	YES	
835.2410	Photodegradation in soil	137644	YES	
835.4100	Aerobic soil metabolism	46715225, 46715226	YES	MRID 46715225 is classified as supplemental. Taminco conducted a new study in 2006, where no metabolites exceeding 2.6% were found. We will submit this study to support Section 3 Registration.
835.4200	Anaerobic soil metabolism	47769405, 47769406, 47769407	YES	Waiver will be requested
835.4300	Aerobic aquatic metabolism	46715227	YES	A new study or limited study may be initiated to support Section 3 Registration
835.4400	Anaerobic aquatic metabolism		YES	Waiver will be requested
835.6100	Terrestrial field dissipation		YES	Waiver will be requested
TERRESTRIAL AND AQUATIC NON-TARGET ORGANISMS				
GDLN No.	Guideline Title	MRID No.	Sec. 3	Comments:
850.1010	Freshwater invertebrate LC50 (TGA)	138719	YES	Deemed acceptable for RA in 2007 EFED report
850.1025	Estuarine and marine toxicity - fish (TGA)		YES	Waiver will be requested
850.1025	Estuarine and marine toxicity - mollusk (TGA)		YES	Waiver will be requested
850.1035	Estuarine and marine toxicity - shrimp (TGA)		YES	Waiver will be requested
850.1075	Freshwater fish LC50 - cold water species (TGA)	46715217	YES	Deemed acceptable for RA in 2007 EFED report
850.1075	Freshwater fish LC50 - warm water species (TGA)	123261, 37433	YES	
850.1300	Aquatic invertebrate life cycle - freshwater	46715215, 46715216	YES	Deemed acceptable for RA in 2007 EFED report
850.1400	Fish early life stage - freshwater	46715218, 47769401, 47769402	YES	
850.2100	Avian acute oral - passerine		YES	Study will be initiated to support Section 3 Registration
850.2100	Avian acute oral - quail or duck	41785803, 46715211	YES	Deemed acceptable for RA in 2007 EFED report
850.2200	Avian dietary toxicity - quail	123259, 138717, 41785801, 46715212	YES	Deemed acceptable for RA in 2007 EFED report
850.2200	Avian dietary toxicity - duck	123260, 125199, 138718, 41785802, 46715213	YES	Deemed acceptable for RA in 2007 EFED report
850.2300	Avian reproduction - quail		YES	No study was required for re-registration. We believe this study should not be required
850.2300	Avian reproduction - duck		YES	Study requirement seems to have been dropped from previous registrations for Chlormequat Chloride
NON-TARGET INSECTS				
GDLN No.	Guideline Title	MRID No.	Sec. 3	Comments
850.3020	Honey bee acute contact LD50	46715224	YES	

NON-TARGET PLANTS				
GDLN No.	Guideline Title	MRID No.	Sec. 3	Comments
850.4100	Seedling emergence - Tier I	46715219	YES	Study initiated to support Section 3 Registration
850.4150	Vegetative vigor - Tier I	46715220	YES	Study initiated to support Section 3 Registration
850.4400 850.4500	Aquatic plant growth - Tier 1	46715221, 46715222, 46715223	YES	
RESIDUE CHEMISTRY				
GDLN No.	Guideline Title	MRID No.	Sec. 3	Comments
860.1100	Chemical Identity		YES	Not a study
860.1200	Directions for Use		YES	Will be included as part of label
860.1300	Nature of the residue - plants		YES	EU studies will be submitted to support Section 3 Registration
860.1300	Nature of the residue - hen	124057	YES	EU studies will be submitted to support Section 3 Registration
860.1300	Nature of the residue - goat	124056, 140114	YES	EU studies will be submitted to support Section 3 Registration
860.1340	Residue analytical method - animal tissues (liver, kidney, fat and muscle), milk, and wheat commodities	73918, 73919, 73922, 73923, 98071, 100746, 125211, 139022	YES	EU studies will be submitted to support Section 3 Registration
860.1360	Multiresidue method		YES	We are developing a study to support Section 3 Registration
860.1380	Storage stability - cattle, poultry, wheat, processed wheat fractions		YES	Will submit study to support Section 3 Registration
860.1480	Magnitude of residue - meat/milk/poultry/eggs		YES	Will submit study to support Section 3 Registration
860.1500	Magnitude of residue - cereal grain	139022	YES	Will submit study to support Section 3 Registration
860.1520	Magnitude of residue - processed wheat fractions		YES	Will submit study to support Section 3 Registration
860.1540	Anticipated residues			Not a study
860.1550	Proposed tolerance		YES	Addressed in pending Import Tolerance Petition
860.1560	Reasonable grounds in support of petition		YES	
860.1650	Submittal of analytical reference standard		YES	Not a study
860.1850	Confined rotational crop		YES	Will use Chlormequat Chloride Task Force data
SPRAY DRIFT				
840.1100	Droplet size spectrum		YES	To be satisfied by Spray Drift Task Force data citation
840.1200	Drift field evaluation		YES	To be satisfied by Spray Drift Task Force data citation